

IN THE CLAIMS:

1-42. (Cancelled)

43. (Currently Amended) A data display control apparatus comprising:

a receiving unit for receiving ~~transmitted data~~ an MPEG 2 transport stream having a plurality of contents therein which make up a broadcast program, the plurality of contents each being a unit of information for which interactive operations are provided to ~~be performed by a user to be performed~~, each unit of information including link information for indicating at least one of the other units of information, whereby performance of one of the interactive operations provided to the user by the unit of information being displayed will cause the linked unit of information to be displayed;

an extracting unit for separating data necessary for a display of each of the plurality of contents from the ~~transmitted data~~ MPEG 2 transport stream received by the receiving unit;

a data storage unit for storing the separated data ~~separated~~;

a display control unit for controlling the display of the plurality of contents in response to ~~the interacting~~ performance of an interactive operation ~~[[of]]~~ by the user, wherein each of the plurality of contents has at least one instruction for controlling the display of the content and time control information for indicating a time at which the instruction is to be executed;

a present time information obtaining unit for obtaining a present time; and

a time information judging unit for judging whether the instruction should be executed by comparing the present time with the time indicated by the time control information, wherein

the display control unit, in the case where the time information judging unit judges that the instruction should be executed, changes the display of the currently displayed content by executing the instruction, and the display control unit executes an instruction specified by handler information included in the MPEG 2 transport stream in response to performance by the user of one of the interactive operations, to change the currently displayed unit of information to the linked unit of information.

44. (Currently Amended) The data display control apparatus of claim 43 further comprising:

[[An]] an operation indication receiving unit for receiving an operation indication inputted by a user, wherein

[[The]] the time control information includes, for each of the operation indications, a combination of (a) a piece of handler information specifying an instruction in correspondence with each of the operation indications, and (b) a valid period of the piece of handler information; and

in the case where the display control unit is displaying a content and the operation indication receiving unit has received an operation indication from the user, the display control unit changes the display of the currently displayed content by executing the instruction specified by the piece of handler information, if the present time obtained by the present time information obtaining unit is within the valid period that is combined with the piece of handler information corresponding to the operation indication received.

45. (Currently Amended) The data display control apparatus of claim 44, wherein ~~each of the plurality of contents includes link information for indicating a linked content into which a content being displayed will be changed,~~

the instruction is an instruction for switching the content being displayed over to the linked content indicated by the link information of the content being displayed, and

the display control unit changes the content being displayed into the linked content by executing the instruction.

46. (Previously Presented) The data display control apparatus of claim 44, wherein each of the plurality of contents includes on-screen information for forming image data and on-screen graphics to be displayed superimposed on the image data,

the on-screen information includes, for each of the on-screen graphics, initial state information for indicating a state of the on-screen graphics at a beginning of a display of each of the plurality of contents,

the instruction includes another instruction for changing the state of the on-screen graphics being displayed, and

the display control unit, upon displaying each of the plurality of contents, displays the on-screen graphics in the state indicated by the initial state information, and in the case where the time information judging unit judges that the instruction should be executed, changes the state of the on-screen graphics being displayed, by executing the instruction.

47. (Previously Presented) The data display control apparatus of claim 44, wherein each of the plurality of contents includes on-screen information for forming on-screen graphics that are displayed elements in each of the plurality of contents,

the on-screen information includes, for each of the on-screen graphics, a combination of (a) display status information for indicating a state in which the content is displayed, and (b) a date and time; and

the display control unit changes the state of the on-screen graphics being displayed according to the present time, using the combination of the display status information and the date and time.

48. (Previously Presented) The data display control apparatus of claim 44, wherein the time information judging unit judges that the instruction should be executed when the present time obtained reaches the time indicated by the time control information.

49. (Previously Presented) The data display control apparatus of claim 44, wherein each of the plurality of contents includes on-screen information for forming on-screen graphics;

the display control unit displays the on-screen graphics according to the on-screen information; and

the time information judging unit judges that the instruction should be executed in the case where the present time obtained reaches the time indicated by the time control information while the on-screen graphics are being displayed.

50. (Previously Presented) The data display control apparatus of claim 44, wherein each of the plurality of contents further includes audio data and reproduction time control information for indicating a time at which the audio data is to be reproduced; and

the data display control apparatus controls reproduction of the audio data according to the time indicated by the reproduction time control information.

51. (Currently Amended) The data display control apparatus of claim 44, wherein each of the plurality of contents includes time information for indicating a time at which the content has been transmitted,

~~the extracting unit,~~ when the display control unit displays the content to be displayed, the extracting unit separates the time information from the ~~transmitted data~~ MPEG 2 transport stream received by the receiving unit and stores the time information in the data storage unit; and

the present time information obtaining unit obtains the present time by specifying the present time according to the time information stored in the data storage unit.

52. (Previously Presented) The data display control apparatus of claim 44, wherein the present time information obtaining unit obtains the present time by measuring an elapsed time from a certain standard timing.

53. (Currently Amended) A storing medium ~~that stores~~ containing a control program for controlling a data display control apparatus to display each of a plurality of contents, the steps of the control program comprising:

~~a receiving step of receiving transmitted data~~ an MPEG 2 transport stream having ~~[[the]]~~ a plurality of contents therein which make up a broadcast program, the plurality of contents each being a unit of information for which interactive operations are provided to be ~~be~~ ~~performed by~~ a user to be performed, each unit of information including link information for indicating at least one of the other units of information, whereby performance of one of the interactive operations provided to the user by the unit of information being displayed will cause the linked unit of information to be displayed;

~~an extracting step of~~ separating data necessary for a display of each of the plurality of contents from the ~~transmitted data~~ MPEG 2 transport stream received; ~~by the receiving step~~

~~a data storage step of storing~~ separated data; ~~data separated;~~

~~a display control step of~~ controlling the display of the plurality of contents in response to the interactive operation of the user, wherein each of the plurality of contents has at least one instruction for controlling the display of the content and time control information for indicating a time at which the instruction is to be executed;

~~a present time information obtaining step of~~ obtaining a present time; and

~~a time information judging step of~~ judging whether the instruction should be executed by comparing the present time with the time indicated by the time control information; ;
wherein

~~the display control step, in the case where~~ when the time information judging step judges that the instruction should be executed, ~~changes~~ changing the display of the currently displayed content by executing the instruction; and

in response to performance by the user of one of the interactive operations,
executing an instruction specified by handler information included in the MPEG 2 transport stream to change the currently displayed unit of information to the linked unit of information.